# CHE

### INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6:

(11) International Publication Number:

WO 95/17692

G02B 5/30, G02F 1/1335

A1

(43) International Publication Date:

29 June 1995 (29.06.95)

(21) International Application Number:

PCT/US94/14814

(22) International Filing Date:

20 December 1994 (20.12.94)

(30) Priority Data:

08/172,593

21 December 1993 (21.12.93)

US

<sup>(-1)</sup> Applicant: MINNESOTA MINING AND MANUFACTUR-ING COMPANY [US US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).

Paul, MN 55133-3427 (US). WEBER, Michael, F.; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). WEBER, Michael, F.; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). JONZA, James, M.: P.O. Box 33427, Saint Paul, MN 55133-3427 (US). STOVER, Carl, A.: P.O. Box 33427, Saint Paul, MN 55133-3427 (US). COBB, Sanford, Jr.: P.O. Box 33427, Saint Paul, MN 55133-3427 (US). WORTMAN. David, L.; P.O. Box 33427, Saint Paul, MN 55133-3427 (US). BENSON, Olester, Jr.: P.O. Box 33427, Saint Paul, MN 55133-3427 (US).

(174) Agents: BARTINGALE. Kari, H. et al.; Minnesota Mining and Manufacturing Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).

(81) Designated States: AM. AT, AU. BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, GE, HU. JP, KE, KG, KP, KR, KZ, LK, LT, LU, LV, MD, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG), ARIPO patent (KE, MW, SD, SZ).

#### Published

With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

311-L

# BEST AVAILABLE COPY

#### (54) Title: REFLECTIVE POLARIZER WITH BRIGHTNESS ENHANCEMENT

#### (57) Abstract

A multiple layer reflective polarizer (12) is described. This element is placed between an optical cavity (24) and an LCD module (16) to form an optical display. The reflective polarizer reflects some light into the optical cavity (24) where it is randomized and may ultimately emerge with the correct polarization to be transmitted out of the display.

